[0039] If desired, the different functions discussed herein may be performed in a different order and/or concurrently with each other. Furthermore, if desired, one or more of the above-described functions may be optional or may be combined.

[0040] Although various aspects of the invention are set out in the independent claims, other aspects of the invention comprise other combinations of features from the described embodiments and/or the dependent claims with the features of the independent claims, and not solely the combinations explicitly set out in the claims.

[0041] It is also noted herein that while the above describes example embodiments of the invention, these descriptions should not be viewed in a limiting sense. Rather, there are several variations and modifications which may be made without departing from the scope of the present invention as defined in the appended claims.

[0042] One having ordinary skill in the art will readily understand that the invention as discussed above may be practiced with steps in a different order, and/or with hardware elements in configurations which are different than those which are disclosed. Therefore, although the invention has been described based upon these preferred embodiments, it would be apparent to those of skill in the art that certain modifications, variations, and alternative constructions would be apparent, while remaining within the spirit and scope of the invention. In order to determine the metes and bounds of the invention, therefore, reference should be made to the appended claims.

[0043] The following abbreviations that may be found in the specification and/or the drawing figures are defined as follows:

[0044] BTS Base Transceiver Station

[0045] CELL DCH Dedicated Channel

[0046] CELL FACH Forward Access Channel

[0047] CELL_PCH Paging Channel

[0048] eNB eNodeB

[0049] HHD Hypothesis History Database

[0050] LTE Long Term Evolution

[0051] MME Mobility Management Entity

[0052] PCRF Policy Charging & Rules Function

[0053] PS Policy Server

[0054] QoE Quality of Experience

[0055] QoS Quality of Service

[0056] RACS Radio Applications Cloud Server

[0057] RAN Radio Access Network

[0058] RRC Radio Resource Control

[0059] UE User Equipment/Device

1. A method comprising:

at an application server, analyzing application flows with respect to at least one device connected to a network;

at the application server, generating an adaptive timer value based on application flows of the at least one device;

sending the adaptive timer value to at least one server;

sending, from the at least one server, the adaptive timer value to the at least one device; and

adopting, at the at least one device, the adaptive timer value.

2. The method of claim **1** wherein analyzing application flows with respect to at least one device connected to a network comprises extracting information from the at least one device.

3. The method of claim **2** wherein extracting information from the at least one device includes extracting at least one of IP flow information, associate request and response timing, subscriber information, device model information, and location information.

4. The method of claim **1** wherein generating an adaptive timer value based on application flows of the at least one device comprises analyzing, at the application server, at least one of packet processing, packet classification, request size, response size, flow identification, signature identification, and state transition detection.

5. The method of claim **1** further including, at the application server, communicating with a database to determine whether the application flows match previously determined application flows.

6. The method of claim **1** further comprising the step of reconfiguring the network based on the adaptive timer value.

7. A method comprising:

on at least one device connected to a network, initiating traffic on the network;

receiving the traffic at an application server;

performing an application behavior analysis at the application server;

at the application server, generating an adaptive timer value based on the application behavior analysis;

sending the adaptive timer value to at least one server;

sending, from the at least one server, the adaptive timer value to the at least one device; and

adopting, at the at least one device, the adaptive timer value.

8. The method of claim **7** wherein initiating traffic on the network includes at least one of initiating a web page request and using an application on the at least one device.

9. The method of claim **7** further including the step of receiving, at the application server, information related to a subscriber of the at least one device.

10. The method of claim **9** wherein the information related to a subscriber of the at least one device includes at least one of device profile and subscriber traffic flow template profile.

11. The method of claim **7** wherein receiving the traffic at an application server includes at least one of receiving uplink traffic from the at least one user device and receiving downlink traffic from the at least one user device.

12. The method of claim **7** wherein performing an application behavior analysis at the application server comprises analyzing, at the application server, at least one of packet processing, packet classification, request size, response size, flow identification, signature identification, and state transition detection.

13. The method of claim **7** further including, at the application server, communicating with a database to determine whether the application flows match previously determined application flows.

14. The method of claim **7** further comprising the step of reconfiguring the network based on the adaptive timer value.

15. An apparatus comprising:

a processor configured to communicate with a network; and

a memory in communication with the processor;

wherein the processor is further configured to:

connect the apparatus to the network;

initiate traffic on the network; and